

OPERATOR  
WELL/LEASE  
COUNTY

MEWBOURNE OIL COMPANY  
SKEEN 21 B2CN STATE 001H  
EDDY

RIG 75

STATE OF NEW MEXICO  
DEVIATION REPORT

3001542934

|       |      |
|-------|------|
| 507   | 1.60 |
| 1,360 | 1.40 |
| 1,803 | 0.60 |
| 2,351 | 1.00 |
| 2,702 | 0.40 |
| 3,145 | 0.50 |
| 3,431 | 0.20 |
| 3,652 | 0.00 |
| 4,110 | 0.40 |
| 4,901 | 0.70 |
| 5,434 | 0.80 |
| 5,836 | 0.70 |
| 6,279 | 1.60 |
| 6,466 | 1.60 |
| 6,721 | 1.70 |
| 7,145 | 1.70 |

NM OIL CONSERVATION

ARTESIA DISTRICT

DEC 30 2015

RECEIVED

STATE OF TEXAS

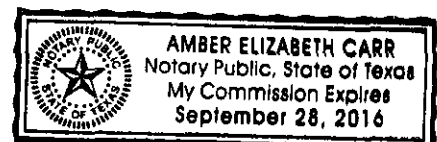
COUNTY OF MIDLAND

BY: Dora Garcia

The foregoing instrument was acknowledged before me on  
Dora Garcia on behalf of Patterson-UTI Drilling Company LLC.

Amber Elizabeth Carr  
Notary Public for Midland County, Texas  
My Commission Expires:

5/14/15, by





**NM OIL CONSERVATION**

ARTESIA DISTRICT

DEC 30 2015

RECEIVED

## **Mewbourne Oil Company**

Eddy County, NM

Skeen 21 B2CN State No. 1H

No. 1H

Original Hole

Survey: MWD

## **EOW Report**

02 April, 2015



**MEWBOURNE**  
**OIL COMPANY**



Mewbourne Oil Company  
 Project: Eddy County, NM  
 Site: Skeen 21 B2CN State No. 1H  
 Well: No. 1H  
 Wellbore: Original Hole  
 Design: Plan #2  
 Lat: 32° 2' 3.701 N  
 Long: 104° 5' 35.032 W  
 Pad GL: 3032.00  
 KB: WELL @ 3052.00ust (RKB: 20' + GL: 3032)



| SECTION DETAILS |       |        |         |          |         |       |        |         |  |
|-----------------|-------|--------|---------|----------|---------|-------|--------|---------|--|
| MD              | Inc   | Azi    | TVD     | +N/-S    | +E/-W   | Diag  | TFace  | VSeal   |  |
| 7328.00         | 0.48  | 214.21 | 7327.16 | -15.94   | 4.39    | 0.00  | 0.00   | 15.50   |  |
| 7523.90         | 0.48  | 214.21 | 7523.05 | -17.30   | 3.47    | 0.00  | 0.00   | 16.94   |  |
| 8274.37         | 90.48 | 184.96 | 7997.00 | -40.06   | -40.06  | 12.00 | -29.25 | 498.35  |  |
| 12492.52        | 90.48 | 184.96 | 7962.00 | -4698.98 | -404.40 | 0.00  | 0.00   | 4716.34 |  |

| WELL DETAILS: No. 1H |       |           |               |           |                |                  |  |  |  |
|----------------------|-------|-----------|---------------|-----------|----------------|------------------|--|--|--|
| +N/-S                | +E/-W | Northing  | Ground Level: | 3032.00   | Latitude       | Longitude        |  |  |  |
| 0.00                 | 0.00  | 376309.40 | Easting       | 574454.40 | 32° 2' 3.701 N | 104° 5' 35.032 W |  |  |  |

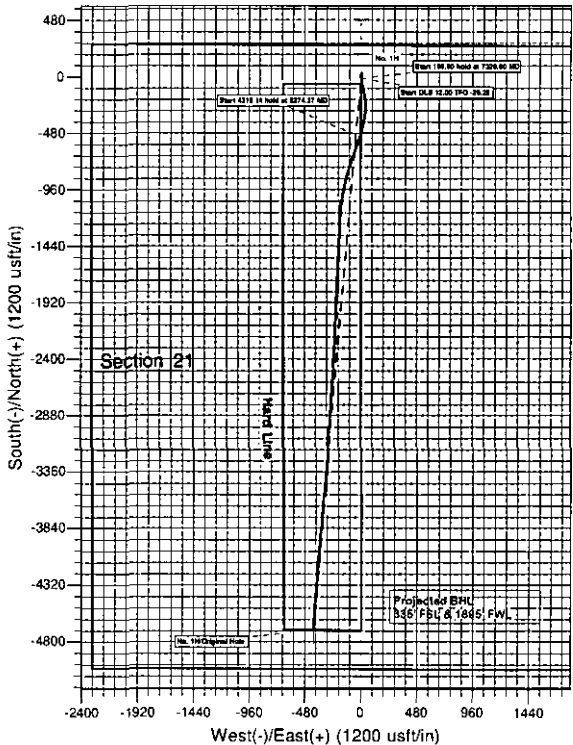
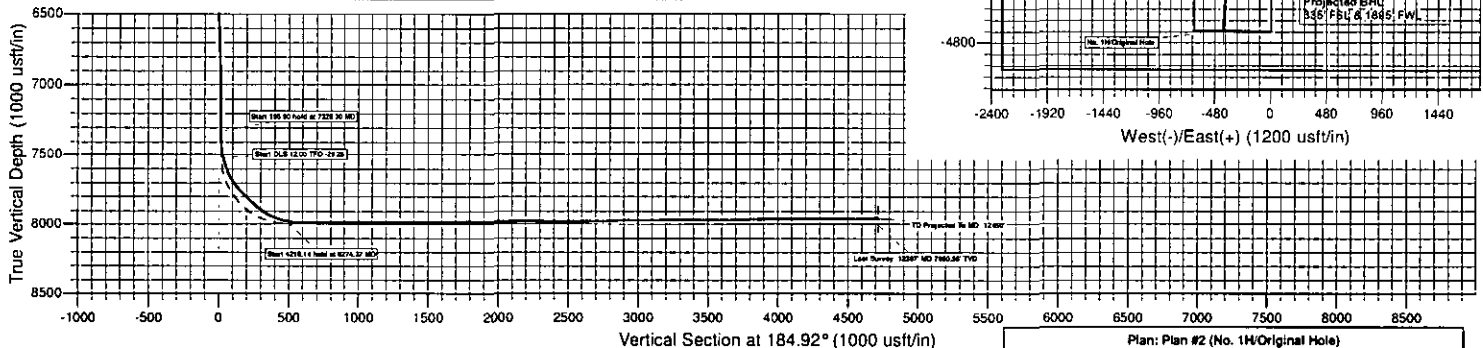
  

| DESIGN TARGET DETAILS   |         |          |         |           |           |                 |                  |  |  |
|-------------------------|---------|----------|---------|-----------|-----------|-----------------|------------------|--|--|
| Name                    | TVD     | +N/-S    | +E/-W   | Northing  | Easting   | Latitude        | Longitude        |  |  |
| Skeen 21 No. 1H TD/PSHL | 7962.00 | -4698.98 | -404.40 | 371610.42 | 574050.00 | 32° 1' 17.208 N | 104° 5' 38.891 W |  |  |

PROJECT DETAILS: Eddy County, NM  
 Geodetic System: US State Plane 1927 (Exact solution)  
 Datum: NAD 1927 (NADCON CONUS)  
 Ellipsoid: Clarke 1866  
 Zone: New Mexico East 3001  
 System Datum: Mean Sea Level

Azimuths to Grid North  
 True North: -0.13°  
 Magnetic North: 7.24°  
 Magnetic Field  
 Strength: 48083.2anT  
 Dip Angle: 59.83°  
 Date: 2/10/2015  
 Model: IGRF2010

NOTE: All Lease lines and Hard lines are estimates only  
 and are subject to the customers' approval.



Plan: Plan #2 (No. 1H/Original Hole)  
 Created By: Chris LeMaster Date: 14:19, April 02 2015



## INWELL LLC

EOW Report



|           |                            |                              |                                           |
|-----------|----------------------------|------------------------------|-------------------------------------------|
| Company:  | Mewbourne Oil Company      | Local Co-ordinate Reference: | Well No. 1H                               |
| Project:  | Eddy County, NM            | TVD Reference:               | WELL @ 3052.00usft (RKB: 20' + GL: 3032') |
| Site:     | Skeen 21 B2CN State No. 1H | MD Reference:                | WELL @ 3052.00usft (RKB: 20' + GL: 3032') |
| Well:     | No. 1H                     | North Reference:             | Grid                                      |
| Wellbore: | Original Hole              | Survey Calculation Method:   | Minimum Curvature                         |
| Design:   | Original Hole              | Database:                    | Inwell D                                  |

|             |                                      |               |                |
|-------------|--------------------------------------|---------------|----------------|
| Project     | Eddy County, NM                      |               |                |
| Map System: | US State Plane 1927 (Exact solution) | System Datum: | Mean Sea Level |
| Geo Datum:  | NAD 1927 (NADCON CONUS)              |               |                |
| Map Zone:   | New Mexico East 3001                 |               |                |

|                       |                            |                   |                  |
|-----------------------|----------------------------|-------------------|------------------|
| Site                  | Skeen 21 B2CN State No. 1H |                   |                  |
| Site Position:        |                            | Northing:         | 376,309.40 usft  |
| From:                 | Map                        | Easting:          | 574,454.40 usft  |
| Position Uncertainty: | 3.30 usft                  | Slot Radius:      | 13-3/16"         |
|                       |                            | Latitude:         | 32° 2' 3.701 N   |
|                       |                            | Longitude:        | 104° 5' 35.032 W |
|                       |                            | Grid Convergence: | 0.13 °           |

|                      |           |                     |                  |
|----------------------|-----------|---------------------|------------------|
| Well                 | No. 1H    |                     |                  |
| Well Position        | +N/-S     | 0.00 usft           | Northing:        |
|                      | +E/-W     | 0.00 usft           | Easting:         |
| Position Uncertainty | 1.10 usft | Wellhead Elevation: | usft             |
|                      |           | Latitude:           | 32° 2' 3.701 N   |
|                      |           | Longitude:          | 104° 5' 35.032 W |
|                      |           | Ground Level:       | 3,032.00 usft    |

|           |               |             |                |
|-----------|---------------|-------------|----------------|
| Wellbore  | Original Hole |             |                |
| Magnetics | Model Name    | Sample Date | Declination    |
|           |               |             | (°)            |
|           | IGRF2010      | 2/10/2015   | 7.36           |
|           |               |             | Dip Angle      |
|           |               |             | (°)            |
|           |               |             | 59.83          |
|           |               |             | Field Strength |
|           |               |             | (nT)           |
|           |               |             | 48,083         |

|                   |                  |               |           |
|-------------------|------------------|---------------|-----------|
| Design            | Original Hole    |               |           |
| Audit Notes:      |                  |               |           |
| Version:          | 1.0              | Phase:        | ACTUAL    |
|                   |                  | Tie On Depth: | 0.00      |
| Vertical Section: | Depth From (TVD) | +N/-S         | +E/-W     |
|                   | (usft)           | (usft)        | (usft)    |
|                   | 0.00             | 0.00          | 0.00      |
|                   |                  |               | Direction |
|                   |                  |               | (°)       |
|                   |                  |               | 184.92    |

|                |                |                         |                             |
|----------------|----------------|-------------------------|-----------------------------|
| Survey Program | Date 3/23/2015 |                         |                             |
| From           | To             | Survey (Wellbore)       | Tool Name                   |
| (usft)         | (usft)         |                         |                             |
| 200.00         | 7,328.00       | MS Gyro (Original Hole) | CB-GYRO-MS                  |
| 7,383.00       | 12,450.00      | MWD (Original Hole)     | MWD                         |
|                |                |                         | Description                 |
|                |                |                         | Camera based gyro multishot |
|                |                |                         | MWD - Standard              |

|          |       |               |             |
|----------|-------|---------------|-------------|
| Survey   |       |               |             |
| MD       | Inc   | Azi (azimuth) | TVD         |
| (usft)   | (°)   | (°)           | (usft)      |
| 7,328.00 | 0.48  | 214.21        | 7,327.16    |
| 7,383.00 | 0.60  | 230.90        | 7,382.15    |
| 7,415.00 | 0.60  | 203.90        | 7,414.15    |
| 7,447.00 | 3.20  | 169.00        | 7,446.13    |
| 7,479.00 | 7.70  | 168.40        | 7,477.98    |
| 7,510.00 | 12.30 | 175.10        | 7,508.50    |
| 7,542.00 | 16.40 | 170.70        | 7,539.50    |
| 7,574.00 | 18.60 | 170.90        | 7,570.01    |
| 7,605.00 | 21.30 | 170.70        | 7,599.15    |
| 7,637.00 | 24.80 | 169.90        | 7,628.59    |
| 7,669.00 | 29.30 | 169.40        | 7,657.08    |
|          |       |               | N/S         |
|          |       |               | (usft)      |
|          |       |               | -15.94      |
|          |       |               | -16.31      |
|          |       |               | -16.57      |
|          |       |               | -17.60      |
|          |       |               | -20.58      |
|          |       |               | -25.91      |
|          |       |               | -33.76      |
|          |       |               | -43.26      |
|          |       |               | -53.70      |
|          |       |               | -66.05      |
|          |       |               | -80.36      |
|          |       |               | E/W         |
|          |       |               | (usft)      |
|          |       |               | 4.39        |
|          |       |               | 4.04        |
|          |       |               | 3.84        |
|          |       |               | 3.95        |
|          |       |               | 4.55        |
|          |       |               | 5.25        |
|          |       |               | 6.27        |
|          |       |               | 7.81        |
|          |       |               | 9.50        |
|          |       |               | 11.61       |
|          |       |               | 14.23       |
|          |       |               | V. Sec      |
|          |       |               | (usft)      |
|          |       |               | 15.50       |
|          |       |               | 15.90       |
|          |       |               | 16.18       |
|          |       |               | 17.20       |
|          |       |               | 20.11       |
|          |       |               | 25.36       |
|          |       |               | 33.10       |
|          |       |               | 42.43       |
|          |       |               | 52.69       |
|          |       |               | 64.81       |
|          |       |               | 78.84       |
|          |       |               | DLeg        |
|          |       |               | (°/100usft) |
|          |       |               | 0.00        |
|          |       |               | 0.36        |
|          |       |               | 0.88        |
|          |       |               | 8.53        |
|          |       |               | 14.06       |
|          |       |               | 15.28       |
|          |       |               | 13.25       |
|          |       |               | 6.88        |
|          |       |               | 8.71        |
|          |       |               | 10.98       |
|          |       |               | 14.08       |



INWELL LLC  
EOW Report



|           |                            |                              |                                           |
|-----------|----------------------------|------------------------------|-------------------------------------------|
| Company:  | Mewbourne Oil Company      | Local Co-ordinate Reference: | Well No. 1H                               |
| Project:  | Eddy County, NM            | TVD Reference:               | WELL @ 3052.00usft (RKB: 20' + GL: 3032') |
| Site:     | Skeen 21 B2CN State No. 1H | MD Reference:                | WELL @ 3052.00usft (RKB: 20' + GL: 3032') |
| Well:     | No. 1H                     | North Reference:             | Grid                                      |
| Wellbore: | Original Hole              | Survey Calculation Method:   | Minimum Curvature                         |
| Design:   | Original Hole              | Database:                    | Inwell D                                  |

| Survey       |            |                      |               |               |               |                  |                     |
|--------------|------------|----------------------|---------------|---------------|---------------|------------------|---------------------|
| MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | V. Sec<br>(usft) | DLeg<br>(°/100usft) |
| 7,700.00     | 32.40      | 168.10               | 7,683.69      | -95.95        | 17.34         | 94.11            | 10.23               |
| 7,732.00     | 35.40      | 167.70               | 7,710.25      | -113.40       | 21.09         | 111.17           | 9.40                |
| 7,764.00     | 38.40      | 169.30               | 7,735.84      | -132.22       | 24.91         | 129.60           | 9.84                |
| 7,796.00     | 40.50      | 171.40               | 7,760.55      | -152.26       | 28.31         | 149.28           | 7.77                |
| 7,827.00     | 43.00      | 172.10               | 7,783.67      | -172.69       | 31.26         | 169.37           | 8.20                |
| 7,859.00     | 45.60      | 172.10               | 7,806.58      | -194.83       | 34.34         | 191.16           | 8.12                |
| 7,891.00     | 47.90      | 172.60               | 7,828.50      | -217.93       | 37.44         | 213.91           | 7.28                |
| 7,922.00     | 50.20      | 174.40               | 7,848.82      | -241.19       | 40.08         | 236.86           | 8.62                |
| 7,954.00     | 50.80      | 180.40               | 7,869.18      | -265.83       | 41.19         | 261.32           | 14.59               |
| 7,986.00     | 53.00      | 186.90               | 7,888.94      | -290.94       | 39.57         | 286.47           | 17.39               |
| 8,017.00     | 55.60      | 190.30               | 7,907.03      | -315.82       | 35.80         | 311.58           | 12.23               |
| 8,049.00     | 58.70      | 189.70               | 7,924.39      | -342.29       | 31.13         | 338.36           | 9.81                |
| 8,080.00     | 61.90      | 189.70               | 7,939.74      | -368.83       | 26.59         | 365.19           | 10.32               |
| 8,112.00     | 66.60      | 191.90               | 7,953.64      | -397.13       | 21.18         | 393.85           | 15.94               |
| 8,143.00     | 71.30      | 193.40               | 7,964.78      | -425.35       | 14.84         | 422.51           | 15.82               |
| 8,175.00     | 74.90      | 194.90               | 7,974.08      | -455.03       | 7.36          | 452.72           | 12.11               |
| 8,207.00     | 78.60      | 196.10               | 7,981.41      | -485.04       | -0.97         | 483.33           | 12.12               |
| 8,238.00     | 82.30      | 197.00               | 7,986.55      | -514.34       | -9.67         | 513.27           | 12.27               |
| 8,270.00     | 85.20      | 198.50               | 7,990.04      | -544.63       | -19.37        | 544.28           | 10.19               |
| 8,302.00     | 87.10      | 199.50               | 7,992.19      | -574.81       | -29.77        | 575.25           | 6.71                |
| 8,333.00     | 88.90      | 199.60               | 7,993.27      | -604.01       | -40.13        | 605.22           | 5.82                |
| 8,393.00     | 92.90      | 198.90               | 7,992.32      | -660.63       | -59.91        | 663.34           | 6.77                |
| 8,455.00     | 91.70      | 197.90               | 7,989.84      | -719.42       | -79.46        | 723.58           | 2.52                |
| 8,519.00     | 89.90      | 196.40               | 7,988.94      | -780.56       | -98.33        | 786.12           | 3.66                |
| 8,582.00     | 89.90      | 195.90               | 7,989.05      | -841.07       | -115.85       | 847.91           | 0.79                |
| 8,645.00     | 89.80      | 193.80               | 7,989.22      | -901.97       | -132.00       | 909.96           | 3.34                |
| 8,709.00     | 89.70      | 191.50               | 7,989.50      | -964.41       | -146.01       | 973.38           | 3.60                |
| 8,772.00     | 89.90      | 189.60               | 7,989.72      | -1,026.34     | -157.55       | 1,036.07         | 3.03                |
| 8,835.00     | 89.40      | 187.30               | 7,990.10      | -1,088.65     | -166.81       | 1,098.94         | 3.74                |
| 8,898.00     | 89.90      | 184.80               | 7,990.49      | -1,151.29     | -173.44       | 1,161.93         | 4.05                |
| 8,961.00     | 90.30      | 182.60               | 7,990.38      | -1,214.16     | -177.51       | 1,224.91         | 3.55                |
| 9,024.00     | 90.40      | 182.40               | 7,989.99      | -1,277.10     | -180.26       | 1,287.85         | 0.35                |
| 9,088.00     | 90.00      | 182.10               | 7,989.77      | -1,341.05     | -182.77       | 1,351.78         | 0.78                |
| 9,150.00     | 90.40      | 182.10               | 7,989.55      | -1,403.00     | -185.04       | 1,413.70         | 0.65                |
| 9,214.00     | 90.90      | 182.20               | 7,988.83      | -1,466.95     | -187.44       | 1,477.62         | 0.80                |
| 9,277.00     | 91.30      | 182.30               | 7,987.62      | -1,529.89     | -189.92       | 1,540.54         | 0.65                |
| 9,340.00     | 90.30      | 182.90               | 7,986.74      | -1,592.82     | -192.77       | 1,603.49         | 1.85                |
| 9,403.00     | 90.20      | 183.20               | 7,986.46      | -1,655.73     | -196.13       | 1,666.45         | 0.50                |
| 9,467.00     | 90.60      | 183.30               | 7,986.02      | -1,719.63     | -199.75       | 1,730.42         | 0.64                |
| 9,530.00     | 89.50      | 182.80               | 7,985.96      | -1,782.54     | -203.11       | 1,793.39         | 1.92                |
| 9,594.00     | 89.70      | 182.60               | 7,986.41      | -1,846.46     | -206.12       | 1,857.34         | 0.44                |
| 9,657.00     | 90.40      | 182.00               | 7,986.35      | -1,909.41     | -208.65       | 1,920.27         | 1.46                |
| 9,720.00     | 90.50      | 181.80               | 7,985.86      | -1,972.38     | -210.74       | 1,983.18         | 0.35                |
| 9,784.00     | 91.30      | 181.60               | 7,984.85      | -2,036.34     | -212.64       | 2,047.07         | 1.29                |



## INWELL LLC

EOW Report



|           |                            |                              |                                           |
|-----------|----------------------------|------------------------------|-------------------------------------------|
| Company:  | Mewbourne Oil Company      | Local Co-ordinate Reference: | Well No. 1H                               |
| Project:  | Eddy County, NM            | TVD Reference:               | WELL @ 3052.00usft (RKB: 20' + GL: 3032') |
| Site:     | Skeen 21 B2CN State No. 1H | MD Reference:                | WELL @ 3052.00usft (RKB: 20' + GL: 3032') |
| Well:     | No. 1H                     | North Reference:             | Grid                                      |
| Wellbore: | Original Hole              | Survey Calculation Method:   | Minimum Curvature                         |
| Design:   | Original Hole              | Database:                    | inwell D                                  |

| Survey                                               |            |                      |               |               |               |                  |                     |
|------------------------------------------------------|------------|----------------------|---------------|---------------|---------------|------------------|---------------------|
| MD<br>(usft)                                         | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | V. Sec<br>(usft) | DLeg<br>(°/100usft) |
| 9,847.00                                             | 92.00      | 181.40               | 7,983.04      | -2,099.29     | -214.28       | 2,109.93         | 1.16                |
| 9,911.00                                             | 91.00      | 182.50               | 7,981.36      | -2,163.23     | -216.46       | 2,173.82         | 2.32                |
| 9,974.00                                             | 89.00      | 183.20               | 7,981.36      | -2,226.15     | -219.59       | 2,236.78         | 3.36                |
| 10,038.00                                            | 88.60      | 182.90               | 7,982.70      | -2,290.04     | -223.00       | 2,300.73         | 0.78                |
| 10,101.00                                            | 89.00      | 183.00               | 7,984.02      | -2,352.95     | -226.24       | 2,363.68         | 0.65                |
| 10,164.00                                            | 89.80      | 183.30               | 7,984.68      | -2,415.85     | -229.70       | 2,426.65         | 1.36                |
| 10,228.00                                            | 90.70      | 183.40               | 7,984.40      | -2,479.74     | -233.44       | 2,490.62         | 1.41                |
| 10,291.00                                            | 91.70      | 184.10               | 7,983.08      | -2,542.59     | -237.56       | 2,553.59         | 1.94                |
| 10,354.00                                            | 90.20      | 183.70               | 7,982.04      | -2,605.43     | -241.84       | 2,616.57         | 2.46                |
| 10,417.00                                            | 90.00      | 183.90               | 7,981.93      | -2,668.29     | -246.02       | 2,679.56         | 0.45                |
| 10,481.00                                            | 90.90      | 183.80               | 7,981.43      | -2,732.14     | -250.32       | 2,743.55         | 1.41                |
| 10,544.00                                            | 91.60      | 183.70               | 7,980.05      | -2,794.99     | -254.44       | 2,806.52         | 1.12                |
| 10,607.00                                            | 92.50      | 183.80               | 7,977.80      | -2,857.82     | -258.55       | 2,869.46         | 1.44                |
| 10,671.00                                            | 91.80      | 183.30               | 7,975.40      | -2,921.65     | -262.51       | 2,933.40         | 1.34                |
| 10,734.00                                            | 90.00      | 184.00               | 7,974.41      | -2,984.51     | -266.52       | 2,996.37         | 3.07                |
| 10,798.00                                            | 89.80      | 184.60               | 7,974.52      | -3,048.33     | -271.32       | 3,060.37         | 0.99                |
| 10,861.00                                            | 90.50      | 184.60               | 7,974.35      | -3,111.13     | -276.38       | 3,123.37         | 1.11                |
| 10,925.00                                            | 91.20      | 184.40               | 7,973.41      | -3,174.92     | -281.40       | 3,187.36         | 1.14                |
| 10,988.00                                            | 90.50      | 185.00               | 7,972.47      | -3,237.70     | -286.56       | 3,250.35         | 1.46                |
| 11,051.00                                            | 90.10      | 185.00               | 7,972.14      | -3,300.46     | -292.05       | 3,313.35         | 0.63                |
| 11,115.00                                            | 90.50      | 184.70               | 7,971.81      | -3,364.23     | -297.46       | 3,377.35         | 0.78                |
| 11,178.00                                            | 89.10      | 185.10               | 7,972.03      | -3,427.00     | -302.84       | 3,440.35         | 2.31                |
| 11,242.00                                            | 88.90      | 185.10               | 7,973.14      | -3,490.74     | -308.53       | 3,504.34         | 0.31                |
| 11,305.00                                            | 90.10      | 185.30               | 7,973.69      | -3,553.47     | -314.24       | 3,567.33         | 1.93                |
| 11,368.00                                            | 91.00      | 185.30               | 7,973.09      | -3,616.20     | -320.06       | 3,630.33         | 1.43                |
| 11,432.00                                            | 91.80      | 185.20               | 7,971.52      | -3,679.91     | -325.91       | 3,694.31         | 1.26                |
| 11,495.00                                            | 92.70      | 185.00               | 7,969.05      | -3,742.61     | -331.51       | 3,757.26         | 1.46                |
| 11,558.00                                            | 91.70      | 185.30               | 7,966.63      | -3,805.31     | -337.16       | 3,820.21         | 1.66                |
| 11,622.00                                            | 91.70      | 185.20               | 7,964.73      | -3,869.02     | -343.01       | 3,884.18         | 0.16                |
| 11,685.00                                            | 90.90      | 184.80               | 7,963.30      | -3,931.76     | -348.50       | 3,947.16         | 1.42                |
| 11,748.00                                            | 90.90      | 184.60               | 7,962.31      | -3,994.54     | -353.66       | 4,010.15         | 0.32                |
| 11,811.00                                            | 90.30      | 184.80               | 7,961.66      | -4,057.33     | -358.82       | 4,073.15         | 1.00                |
| 11,880.00                                            | 89.60      | 184.40               | 7,961.72      | -4,126.10     | -364.36       | 4,142.15         | 1.17                |
| 11,943.00                                            | 89.80      | 184.20               | 7,962.05      | -4,188.92     | -369.08       | 4,205.14         | 0.45                |
| 12,007.00                                            | 89.10      | 184.60               | 7,962.66      | -4,252.73     | -373.99       | 4,269.14         | 1.26                |
| 12,070.00                                            | 89.40      | 184.80               | 7,963.48      | -4,315.51     | -379.15       | 4,332.13         | 0.57                |
| 12,133.00                                            | 89.60      | 184.70               | 7,964.03      | -4,378.30     | -384.37       | 4,395.13         | 0.35                |
| 12,197.00                                            | 90.10      | 184.60               | 7,964.20      | -4,442.08     | -389.56       | 4,459.13         | 0.80                |
| 12,260.00                                            | 90.60      | 184.40               | 7,963.82      | -4,504.89     | -394.50       | 4,522.12         | 0.85                |
| 12,323.00                                            | 91.30      | 184.50               | 7,962.77      | -4,567.69     | -399.39       | 4,585.11         | 1.12                |
| 12,387.00                                            | 92.00      | 184.30               | 7,960.93      | -4,631.47     | -404.30       | 4,649.08         | 1.14                |
| 12,397.00                                            | 92.00      | 184.10               | 7,960.58      | -4,641.44     | -405.03       | 4,659.08         | 2.00                |
| Last Survey: 12397' MD 7960.58' TVD                  |            |                      |               |               |               |                  |                     |
| 12,450.00                                            | 92.00      | 184.10               | 7,958.73      | -4,694.27     | -408.82       | 4,712.04         | 0.00                |
| TD Projected To MD: 12450' - Skeen 21 No. 1H TD/PBHL |            |                      |               |               |               |                  |                     |

**INWELL LLC**

EOW Report



|                  |                            |                                     |                                           |
|------------------|----------------------------|-------------------------------------|-------------------------------------------|
| <b>Company:</b>  | Mewbourne Oil Company      | <b>Local Co-ordinate Reference:</b> | Well No. 1H                               |
| <b>Project:</b>  | Eddy County, NM            | <b>TVD Reference:</b>               | WELL @ 3052.00usft (RKB: 20' + GL: 3032') |
| <b>Site:</b>     | Skeen 21 B2CN State No. 1H | <b>MD Reference:</b>                | WELL @ 3052.00usft (RKB: 20' + GL: 3032') |
| <b>Well:</b>     | No. 1H                     | <b>North Reference:</b>             | Grid                                      |
| <b>Wellbore:</b> | Original Hole              | <b>Survey Calculation Method:</b>   | Minimum Curvature                         |
| <b>Design:</b>   | Original Hole              | <b>Database:</b>                    | Inwell D                                  |

|              |            |                      |               |               |               |                  |                     |
|--------------|------------|----------------------|---------------|---------------|---------------|------------------|---------------------|
| Survey       |            |                      |               |               |               |                  |                     |
| MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | V. Sec<br>(usft) | DLeg<br>(°/100usft) |

|                             |                             |                   |                 |                                     |
|-----------------------------|-----------------------------|-------------------|-----------------|-------------------------------------|
| Survey Annotations          |                             |                   |                 |                                     |
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Local Coordinates |                 | Comment                             |
|                             |                             | +N/-S<br>(usft)   | +E/-W<br>(usft) |                                     |
| 12,397.00                   | 7,960.58                    | -4,641.44         | -405.03         | Last Survey: 12397' MD 7960.58' TVD |
| 12,450.00                   | 7,958.73                    | -4,694.27         | -408.82         | TD Projected To MD: 12450'          |

|                   |                    |             |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|



Job Number: SVMO-150207  
 Company: Mewbourne Oil & Gas  
 Lease/Well: Skeen 21 B2CN State 1H  
 Location: Eddy County, NM  
 Rig Name: Patterson #75  
 RKB: 22'  
 G.L. or M.S.L.: GL

State/Country: New Mexico/USA  
 Declination: 7.24°  
 Grid: East To Grid North  
 File name: S:\2015SU-11MEWBOU-11MOISKEEN\21B2CN-111H.SVY  
 Date/Time: 13-Mar-15 / 09:38  
 Curve Name: Surface - 7328' M.D. (Rate Gyro)

# NM OIL CONSERVATION

ARTESIA DISTRICT

DEC 30 2015

RECEIVED

## MS SURVEY

WINSERVE SURVEY CALCULATIONS  
 Minimum Curvature Method  
 Vertical Section Plane 184.92  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

We hereby certify that our survey data from  
 Surface MD to 7328' MD is, to the best of  
 our knowledge a true and accurate account of  
 the well bore  
 Hurrey Patterson 3/13/15  
 M/S Energy Services Date

| Measured<br>Depth<br>FT | Incl<br>Angle<br>Deg | Drift<br>Direction<br>Deg | True<br>Vertical<br>Depth | N-S<br>FT | E-W<br>FT | Vertical<br>Section<br>FT | Distance<br>FT | CLOSURE<br>Direction<br>Deg | Dogleg<br>Severity<br>Deg/100 |
|-------------------------|----------------------|---------------------------|---------------------------|-----------|-----------|---------------------------|----------------|-----------------------------|-------------------------------|
| .00                     | .00                  | .00                       | .00                       | .00       | .00       | .00                       | .00            | .00                         | .00                           |
| 200.00                  | .55                  | 20.70                     | 200.00                    | .90       | .34       | -.92                      | .96            | 20.70                       | .28                           |
| 400.00                  | 1.33                 | 29.37                     | 399.97                    | 3.82      | 1.82      | -3.96                     | 4.23           | 25.45                       | .40                           |
| 600.00                  | 1.35                 | 19.99                     | 599.91                    | 8.06      | 3.76      | -8.35                     | 8.89           | 25.03                       | .11                           |
| 800.00                  | .56                  | 278.11                    | 799.89                    | 10.41     | 3.60      | -10.68                    | 11.01          | 19.07                       | .78                           |
| 1000.00                 | .62                  | 126.99                    | 999.89                    | 9.89      | 3.50      | -10.16                    | 10.49          | 19.46                       | .57                           |
| 1200.00                 | 1.00                 | 315.62                    | 1199.88                   | 10.49     | 3.14      | -10.72                    | 10.95          | 16.66                       | .81                           |
| 1400.00                 | 1.40                 | 163.69                    | 1399.86                   | 9.39      | 2.60      | -9.58                     | 9.75           | 15.50                       | 1.17                          |
| 1600.00                 | 1.19                 | 42.27                     | 1599.84                   | 8.58      | 4.69      | -8.96                     | 9.78           | 28.64                       | 1.13                          |
| 1800.00                 | .63                  | 7.96                      | 1799.81                   | 11.21     | 6.24      | -11.70                    | 12.83          | 29.09                       | .38                           |

| Measured<br>Depth<br>FT           | Incl<br>Angle<br>Deg | Drift<br>Direction<br>Deg | True<br>Vertical<br>Depth | N-S<br>FT | E-W<br>FT | Vertical<br>Section<br>FT | CLOSURE<br>Distance<br>FT | Direction<br>Deg | Dogleg<br>Severity<br>Deg/100 |
|-----------------------------------|----------------------|---------------------------|---------------------------|-----------|-----------|---------------------------|---------------------------|------------------|-------------------------------|
| 2000.00                           | 1.24                 | 23.19                     | 1999.79                   | 14.29     | 7.24      | -14.86                    | 16.02                     | 26.88            | .33                           |
| 2200.00                           | 1.10                 | 23.09                     | 2199.75                   | 18.04     | 8.85      | -18.74                    | 20.10                     | 26.12            | .07                           |
| 2400.00                           | 1.34                 | 353.79                    | 2399.70                   | 22.13     | 9.35      | -22.85                    | 24.03                     | 22.89            | .33                           |
| 2600.00                           | .58                  | 351.50                    | 2599.67                   | 25.46     | 8.94      | -26.13                    | 26.99                     | 19.35            | .38                           |
| 2800.00                           | .34                  | 333.11                    | 2799.67                   | 26.99     | 8.53      | -27.62                    | 28.31                     | 17.53            | .14                           |
| 3000.00                           | .27                  | 8.47                      | 2999.66                   | 27.99     | 8.33      | -28.60                    | 29.20                     | 16.57            | .10                           |
| 3200.00                           | .24                  | 93.48                     | 3199.66                   | 28.43     | 8.81      | -29.08                    | 29.76                     | 17.23            | .17                           |
| 3400.00                           | .32                  | 151.27                    | 3399.66                   | 27.91     | 9.50      | -28.62                    | 29.48                     | 18.80            | .14                           |
| 3600.00                           | .29                  | 188.13                    | 3599.66                   | 26.92     | 9.70      | -27.65                    | 28.61                     | 19.81            | .10                           |
| 3800.00                           | .18                  | 213.39                    | 3799.66                   | 26.16     | 9.45      | -26.87                    | 27.81                     | 19.87            | .07                           |
| 4000.00                           | .18                  | 175.44                    | 3999.65                   | 25.58     | 9.31      | -26.29                    | 27.22                     | 19.99            | .06                           |
| 4200.00                           | .41                  | 199.02                    | 4199.65                   | 24.59     | 9.10      | -25.28                    | 26.22                     | 20.30            | .13                           |
| 4400.00                           | .44                  | 208.95                    | 4399.65                   | 23.24     | 8.49      | -23.89                    | 24.75                     | 20.07            | .04                           |
| 4600.00                           | .36                  | 218.29                    | 4599.64                   | 22.08     | 7.73      | -22.66                    | 23.39                     | 19.30            | .05                           |
| 4800.00                           | .77                  | 206.22                    | 4799.63                   | 20.38     | 6.75      | -20.88                    | 21.47                     | 18.32            | .21                           |
| 5000.00                           | .91                  | 219.11                    | 4999.61                   | 17.94     | 5.15      | -18.32                    | 18.67                     | 16.02            | .12                           |
| 5200.00                           | 1.03                 | 219.73                    | 5199.58                   | 15.33     | 3.00      | -15.53                    | 15.62                     | 11.08            | .06                           |
| 5400.00                           | .80                  | 224.39                    | 5399.56                   | 12.95     | .88       | -12.97                    | 12.98                     | 3.87             | .12                           |
| 5600.00                           | .67                  | 217.22                    | 5599.54                   | 11.02     | -.81      | -10.91                    | 11.05                     | 355.81           | .08                           |
| 5800.00                           | .77                  | 202.93                    | 5799.52                   | 8.85      | -2.04     | -8.64                     | 9.08                      | 347.03           | .10                           |
| 6000.00                           | .72                  | 217.46                    | 5999.51                   | 6.61      | -3.33     | -6.30                     | 7.40                      | 333.30           | .10                           |
| 6200.00                           | .54                  | 215.54                    | 6199.49                   | 4.85      | -4.64     | -4.43                     | 6.71                      | 316.27           | .09                           |
| 6400.00                           | 1.25                 | 131.41                    | 6399.48                   | 2.64      | -3.55     | -2.33                     | 4.42                      | 306.63           | .65                           |
| 6600.00                           | 2.00                 | 149.20                    | 6599.39                   | -1.80     | -.13      | 1.80                      | 1.81                      | 184.05           | .45                           |
| 6800.00                           | 2.29                 | 142.57                    | 6799.25                   | -7.97     | 4.09      | 7.59                      | 8.96                      | 152.85           | .19                           |
| 7000.00                           | .96                  | 191.43                    | 6999.18                   | -12.79    | 6.18      | 12.21                     | 14.20                     | 154.19           | .90                           |
| 7200.00                           | .55                  | 227.35                    | 7199.16                   | -15.08    | 5.15      | 14.58                     | 15.93                     | 161.15           | .30                           |
| <b>Last Survey Depth Recorded</b> |                      |                           |                           |           |           |                           |                           |                  |                               |
| 7328.00                           | .48                  | 214.21                    | 7327.16                   | -15.94    | 4.39      | 15.50                     | 16.53                     | 164.59           | .11                           |